

Title (en)

IMAGING SYSTEM INCLUDES IMAGING PROBE AND DELIVERY DEVICES

Title (de)

ABBILDUNGSSYSTEM MIT BILDGEBENDER SONDE UND ABGABEVORRICHTUNGEN

Title (fr)

SYSTÈME D'IMAGERIE COMPORTANT UNE SONDE D'IMAGERIE ET DES DISPOSITIFS D'ADMINISTRATION

Publication

EP 3344126 A4 20190508 (EN)

Application

EP 16842796 A 20160830

Priority

- US 201562212173 P 20150831
- US 201662368387 P 20160729
- US 2016049415 W 20160830

Abstract (en)

[origin: WO2017040484A1] An imaging system is provided comprising an imaging probe and at least one delivery device. The imaging probe comprises an elongate shaft, a rotatable optical core and an optical assembly. The elongate shaft comprises a proximal end, a distal portion, and a lumen extending between the proximal end and the distal portion. The rotatable optical core is positioned within the lumen of the elongate shaft and comprises a proximal end and a distal end. The rotatable optical core is configured to optically and mechanically connect with an interface unit. The optical assembly is positioned in the elongate shaft distal portion and proximate the rotatable optical core distal end. The optical assembly is configured to direct light to tissue and collect reflected light from the tissue. The imaging probe is constructed and arranged to collect image data from a patient site. The delivery device is constructed to engage the imaging probe.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 8/00** (2006.01); **A61B 8/12** (2006.01); **A61N 5/06** (2006.01); **G01N 21/27** (2006.01)

CPC (source: EP US)

A61B 1/05 (2013.01 - US); **A61B 1/0676** (2013.01 - US); **A61B 5/0066** (2013.01 - EP US); **A61B 5/0084** (2013.01 - EP US); **A61B 17/00234** (2013.01 - US); **A61B 5/0073** (2013.01 - EP US); **A61B 5/01** (2013.01 - EP US); **A61B 5/021** (2013.01 - EP US); **A61B 6/12** (2013.01 - EP US); **A61B 6/487** (2013.01 - EP US); **A61B 8/06** (2013.01 - EP US); **A61B 8/12** (2013.01 - EP US); **A61B 2017/00336** (2013.01 - US); **A61B 2017/0034** (2013.01 - US); **A61B 2562/0233** (2013.01 - EP US); **H04N 23/555** (2023.01 - US); **H04N 23/56** (2023.01 - US)

Citation (search report)

- [X1] WO 2006024015 A1 20060302 - GEN HOSPITAL CORP [US], et al
- [X1] US 2010249601 A1 20100930 - COURTNEY BRIAN KENT [CA]
- [X1] US 2014276108 A1 20140918 - VERTIKOV ANDREI [US]
- [A] GB 2512077 A 20140924 - UNIV ERASMUS MEDICAL CT [NL]
- See also references of WO 2017040484A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2017040484 A1 20170309; EP 3344126 A1 20180711; EP 3344126 A4 20190508; JP 2018527995 A 20180927; JP 2021176552 A 20211111; JP 2024037873 A 20240319; JP 6981967 B2 20211217; JP 7404310 B2 20231225; US 10631718 B2 20200428; US 11064873 B2 20210720; US 11583172 B2 20230221; US 11937786 B2 20240326; US 2019274528 A1 20190912; US 2021045622 A1 20210218; US 2022142464 A1 20220512; US 2024000302 A1 20240104

DOCDB simple family (application)

US 2016049415 W 20160830; EP 16842796 A 20160830; JP 2018510969 A 20160830; JP 2021117103 A 20210715; JP 2023210219 A 20231213; US 201615751570 A 20160830; US 202016820991 A 20200317; US 202117350021 A 20210617; US 202318096678 A 20230113